

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099655.D
 Acq On : 19 Oct 2017 9:39
 Operator : SJ/JU
 Sample : I5935-06
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 16:27:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	88306	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	314668	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	111406	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	179087	20.00	ng	0.00
75) Chrysene-d12	13.99	240	187342	20.00	ng	0.00
86) Perylene-d12	15.46	264	147052	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	732966	132.13	ng	0.02
7) Phenol-d6	6.47	99	776572	113.48	ng	0.00
23) Nitrobenzene-d5	7.40	82	513767	104.71	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	136880	150.15	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	856951	128.41	ng	0.00
78) Terphenyl-d14	12.93	244	691080	83.89	ng	0.00

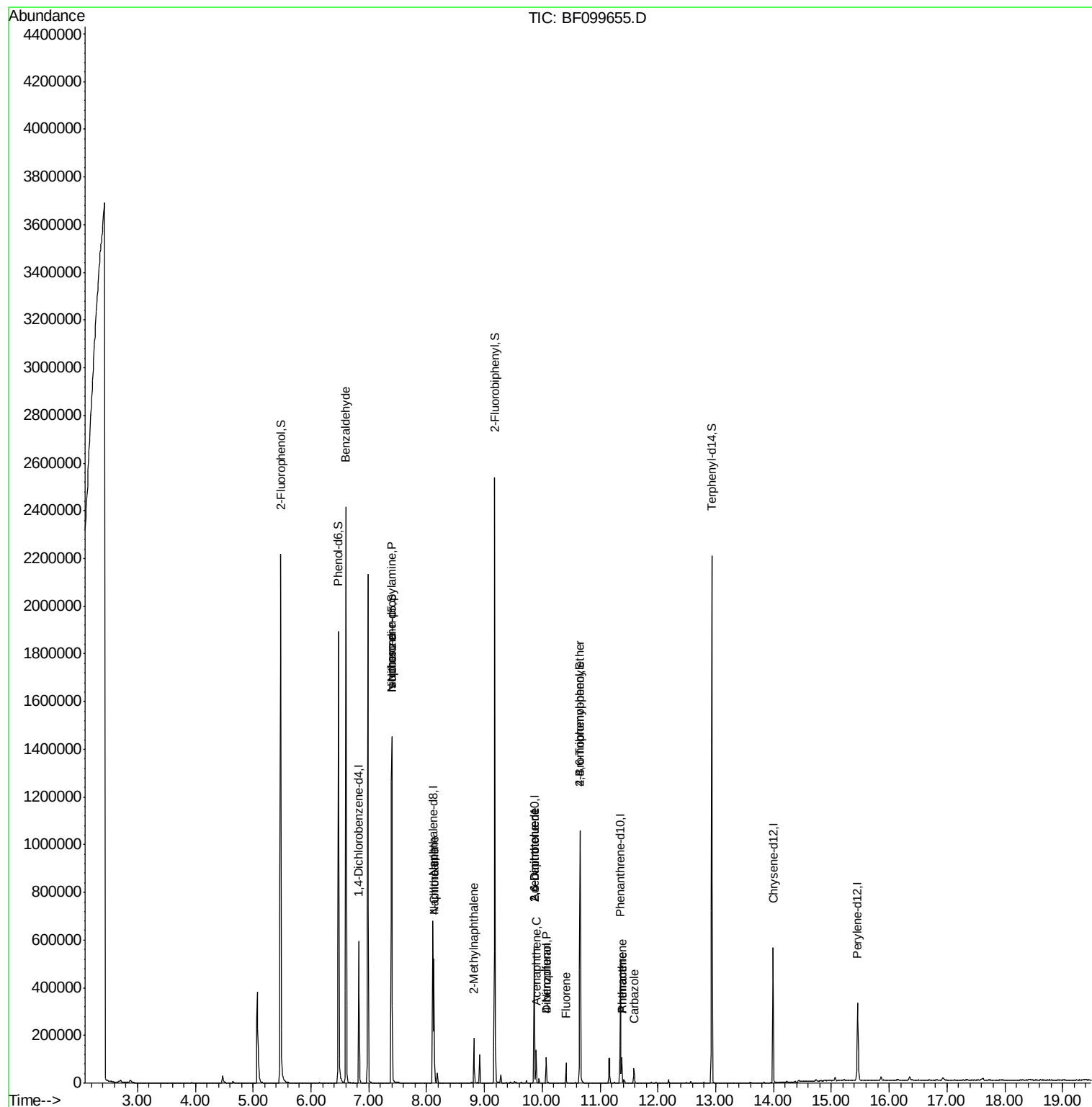
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	13921	3.507	ng	91
19) n-Nitroso-di-n-propylamine	7.40	70	63816	14.606	ng	# 71
25) Isophorone	7.40	82	513764	50.644	ng	# 64
31) Naphthalene	8.13	128	226349	15.316	ng	98
33) 4-Chloroaniline	8.13	127	28618	4.637	ng	# 30
37) 2-Methylnaphthalene	8.82	142	53756	5.595	ng	96
50) 2,6-Dinitrotoluene	9.86	165	14587	7.969	ng	# 24
51) Acenaphthene	9.89	154	28668	4.112	ng	97
54) Dibenzofuran	10.07	168	44133	4.755	ng	97
55) 4-Nitrophenol	10.07	139	15918	8.820	ng	# 9
56) 2,4-Dinitrotoluene	9.86	165	14587	6.140	ng	# 21
57) Fluorene	10.41	166	23066	3.092	ng	99
66) 4-Bromophenyl-phenylether	10.66	248	9059	5.168	ng	# 1
70) Phenanthrene	11.37	178	41145	4.292	ng	98
71) Anthracene	11.37	178	41145	4.195	ng	99
72) Carbazole	11.59	167	26004	2.707	ng	95

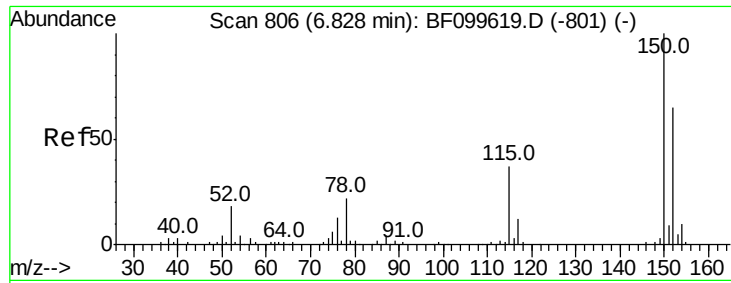
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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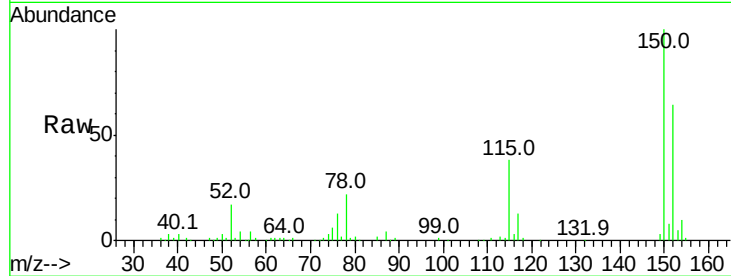


#1

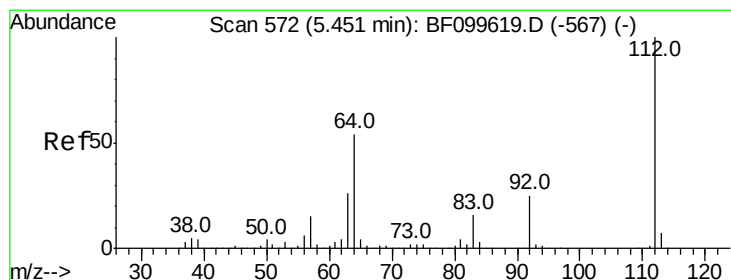
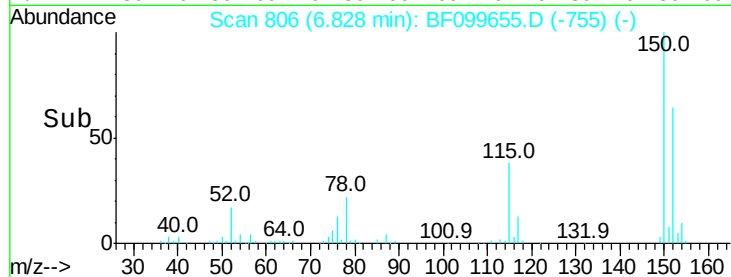
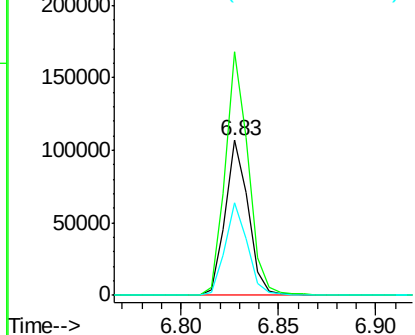
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099655.D
Acq: 19 Oct 2017 9:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 88306
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 59.6 50.1 75.1



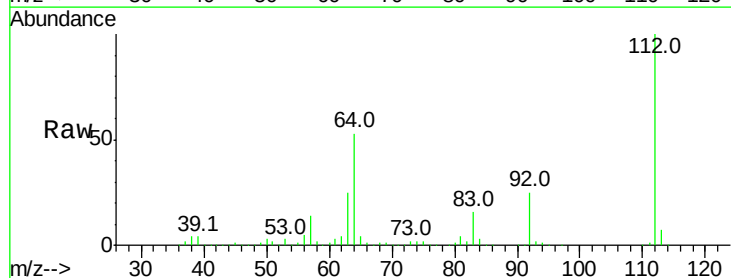
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



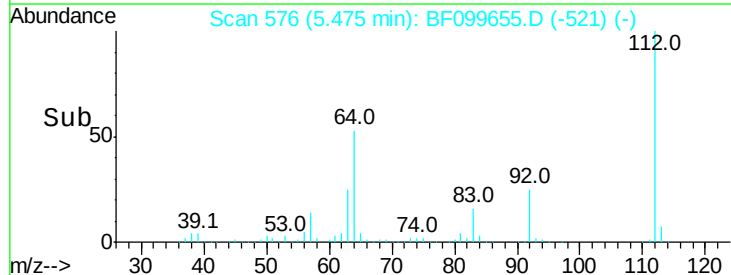
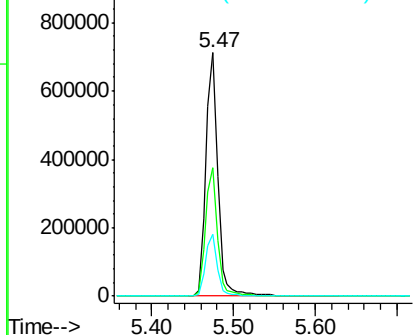
#5

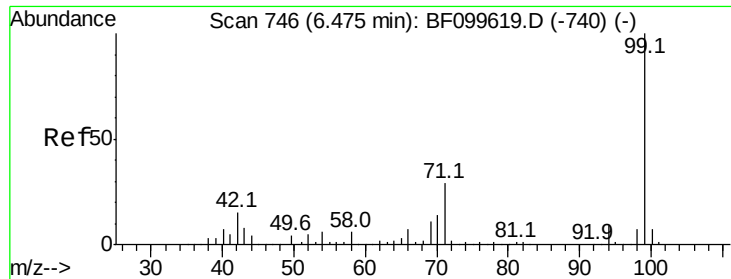
2-Fluorophenol
Concen: 132.132 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF099655.D
Acq: 19 Oct 2017 9:39

Tgt Ion:112 Resp: 732966
Ion Ratio Lower Upper
112 100
64 53.0 47.9 71.9
63 25.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.482 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

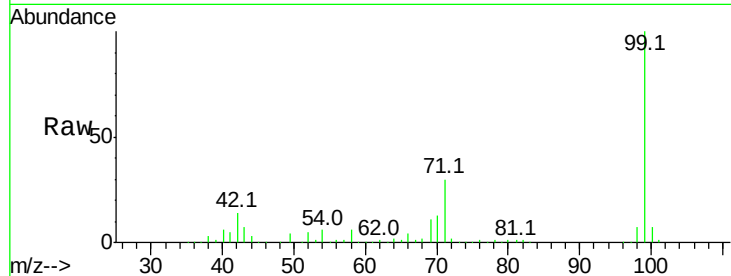
Instrument :

BNA_F

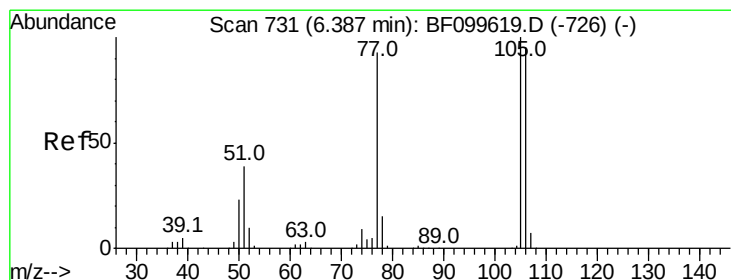
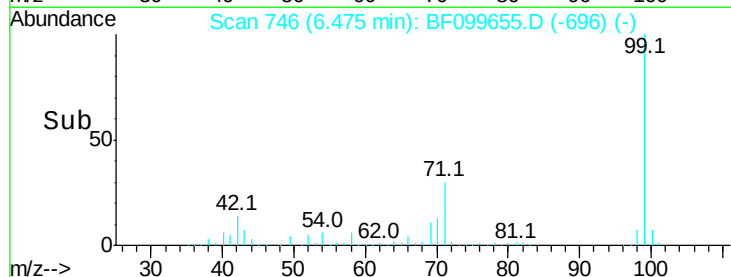
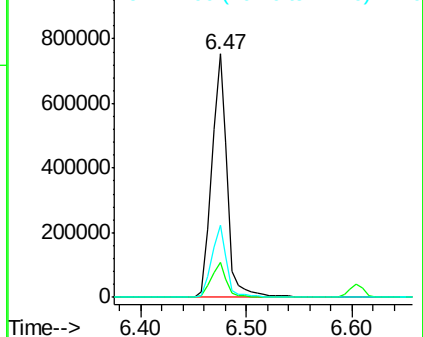
ClientSampled :

Tot Ion: 99 Resp: 776572

Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.5	21.7#
71	29.6	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.507 ng

RT: 6.60 min Scan# 768

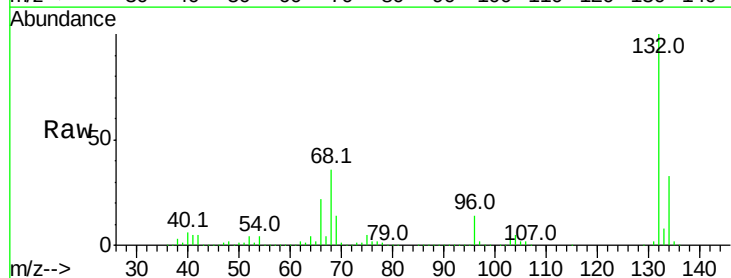
Delta R.T. 0.22 min

Lab File: BF099655.D

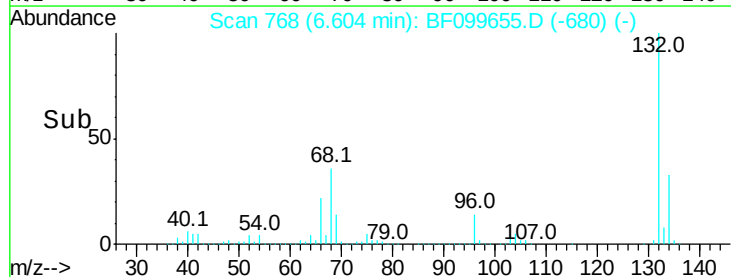
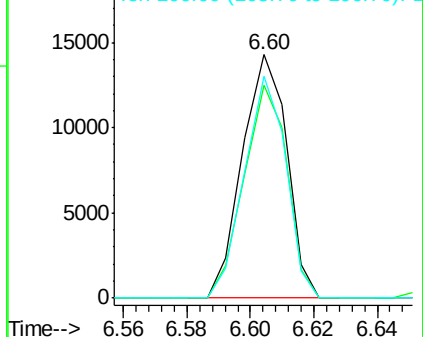
Acq: 19 Oct 2017 9:39

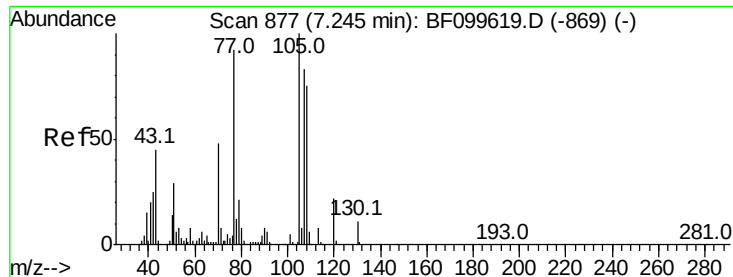
Tgt Ion: 77 Resp: 13921

Ion	Ratio	Lower	Upper
77	100		
105	87.2	81.1	121.1
106	91.4	74.5	114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.606 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

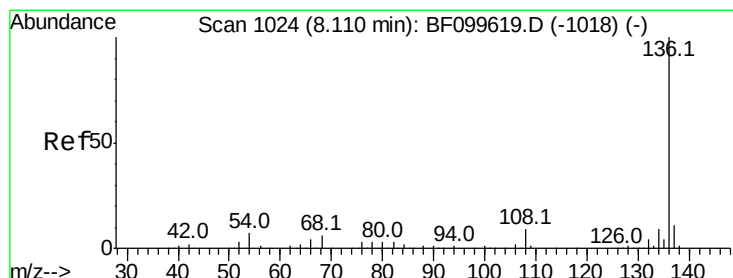
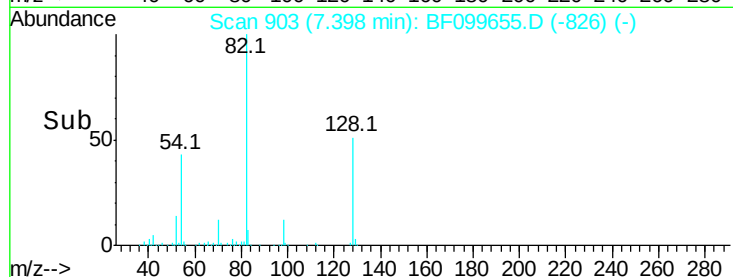
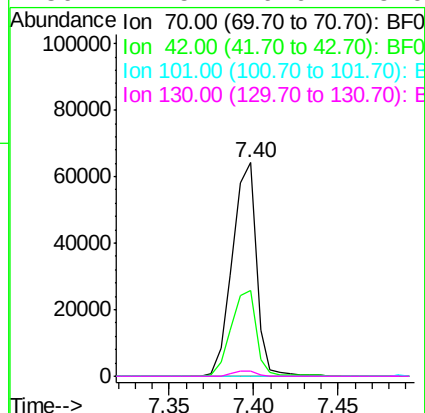
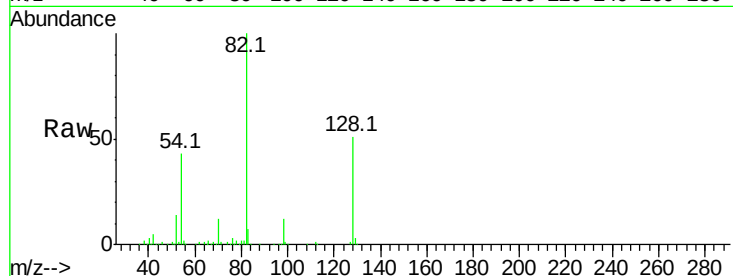
Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 63816

Ion	Ratio	Lower	Upper
70	100		
42	40.3	47.5	71.3#
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

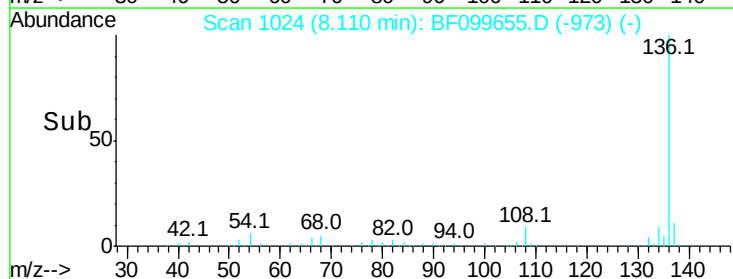
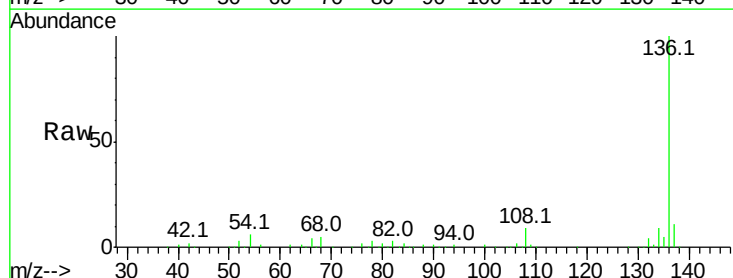
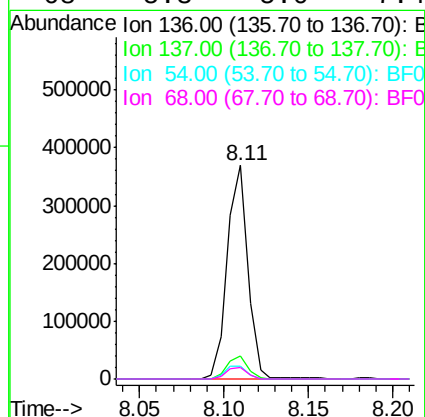
Delta R.T. 0.00 min

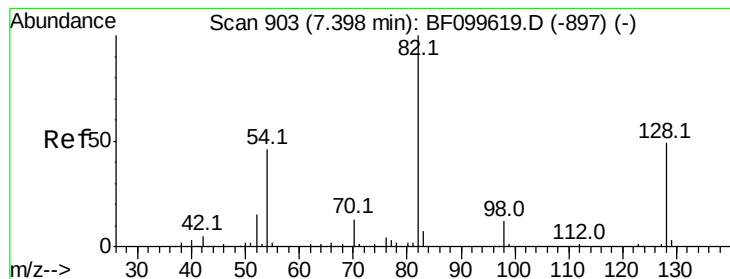
Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

Tgt Ion: 136 Resp: 314668

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.3	6.6	9.8#
68	5.3	5.0	7.4





#23

Nitrobenzene-d5

Concen: 104.707 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.00 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

Instrument :

BNA_F

ClientSampled :

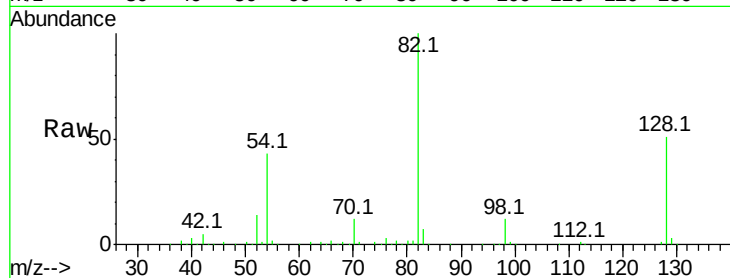
Tot Ion: 82 Resp: 513767

Ion Ratio Lower Upper

82 100

128 51.2 36.1 54.1

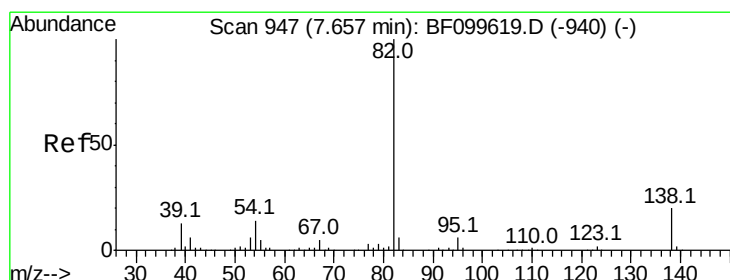
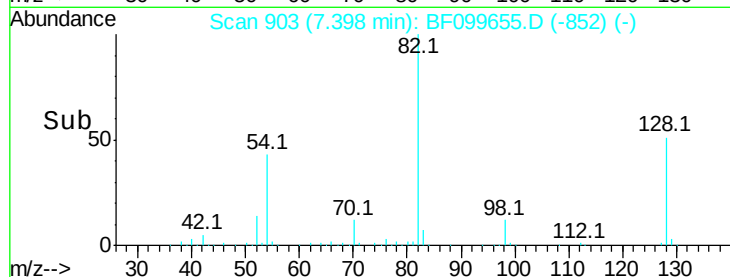
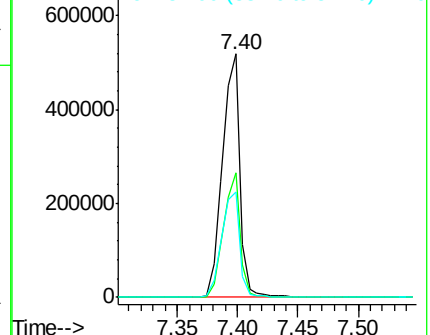
54 43.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 50.644 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

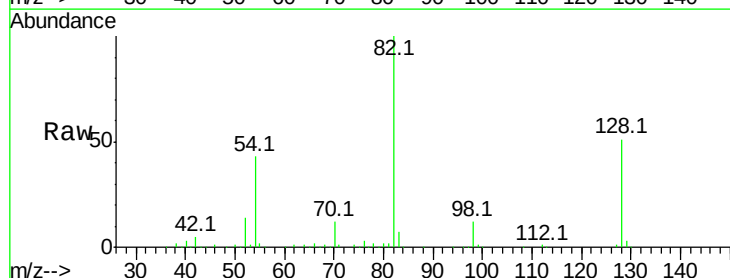
Tgt Ion: 82 Resp: 513764

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

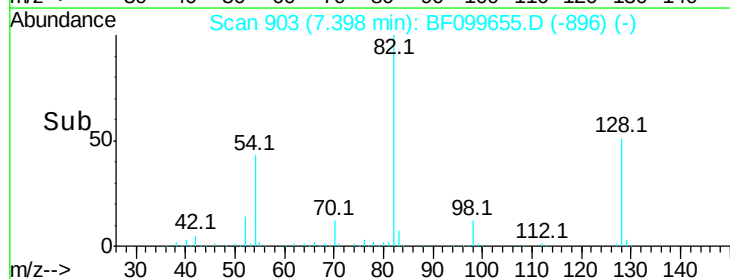
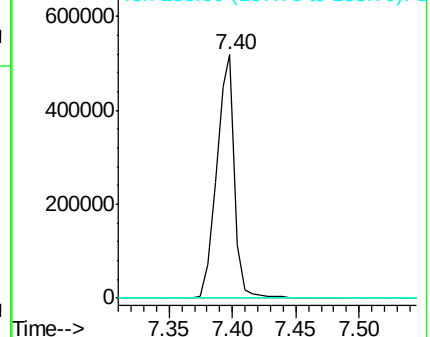
138 0.0 14.9 22.3#

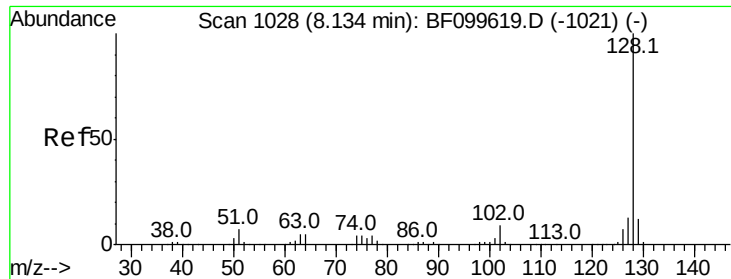


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

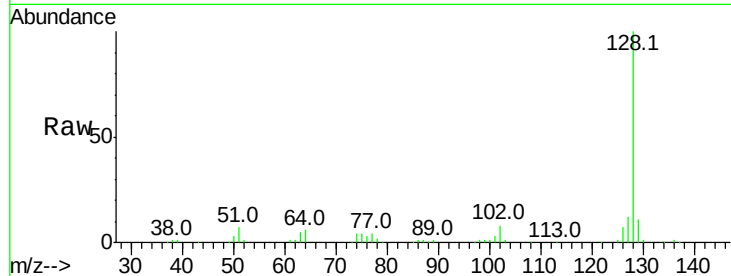




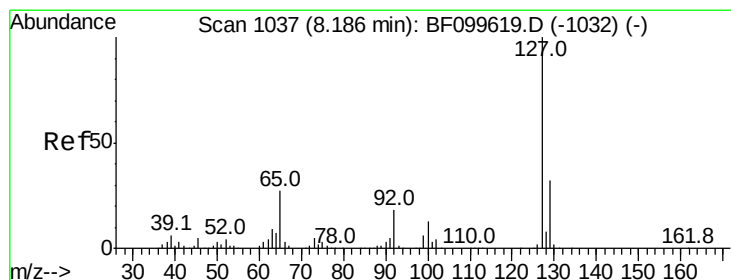
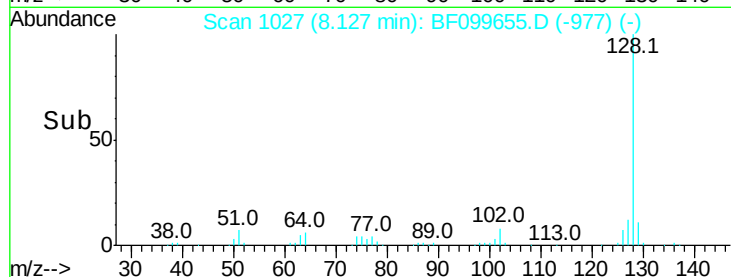
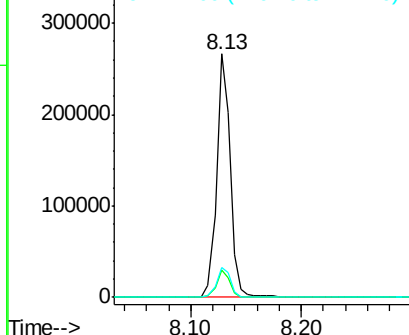
#31
Naphthalene
Concen: 15.316 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099655.D
Acq: 19 Oct 2017 9:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.4	10.9	16.3

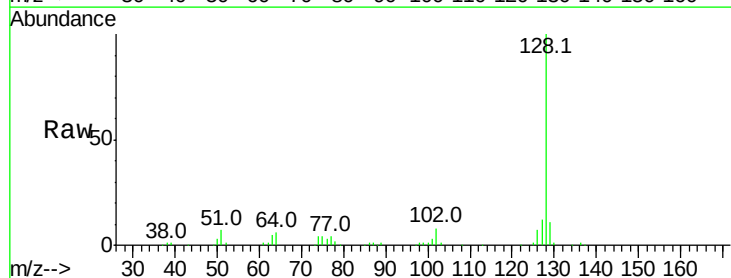


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

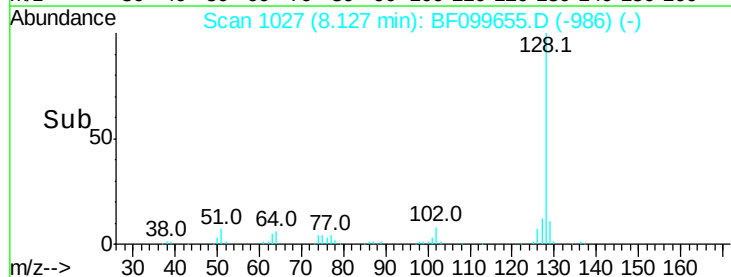
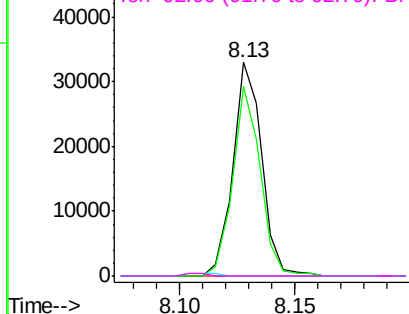


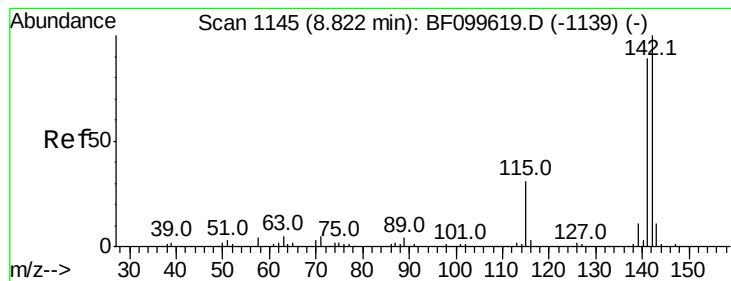
#33
4-Chloroaniline
Concen: 4.637 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.06 min
Lab File: BF099655.D
Acq: 19 Oct 2017 9:39

Tgt Ion	Ratio	Lower	Upper
127	100		
129	88.6	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 5.595 ng

RT: 8.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

Instrument :

BNA_F

ClientSampleId :

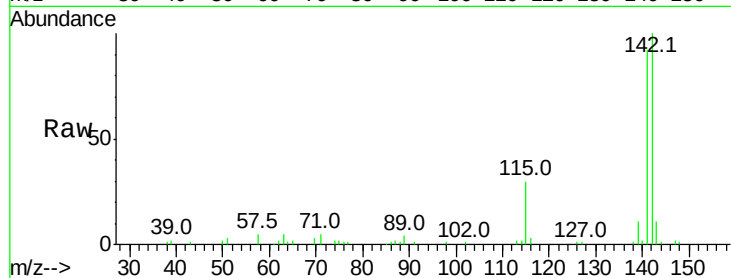
Tot Ion:142 Resp: 53756

Ion Ratio Lower Upper

142 100

141 92.2 70.8 106.2

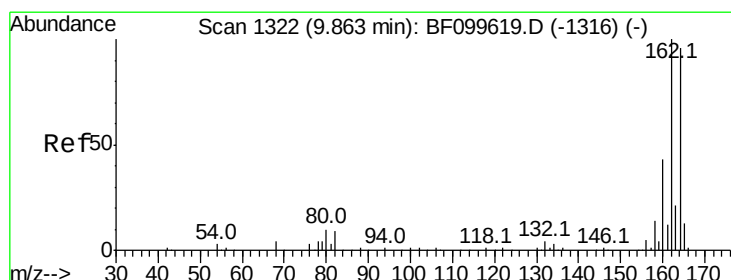
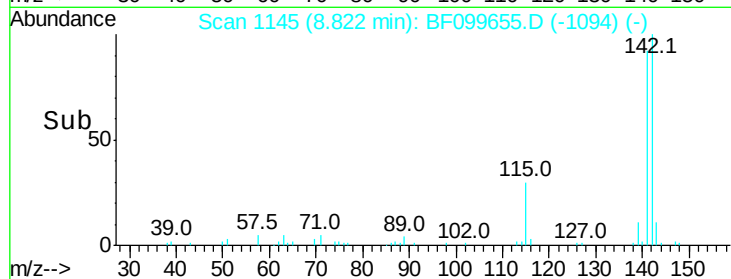
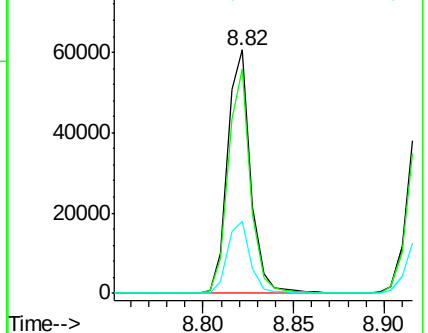
115 29.7 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

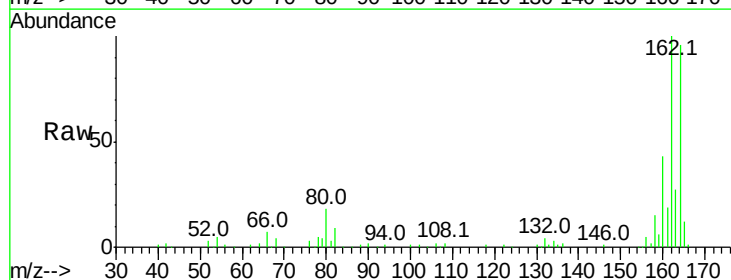
Tgt Ion:164 Resp: 111406

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

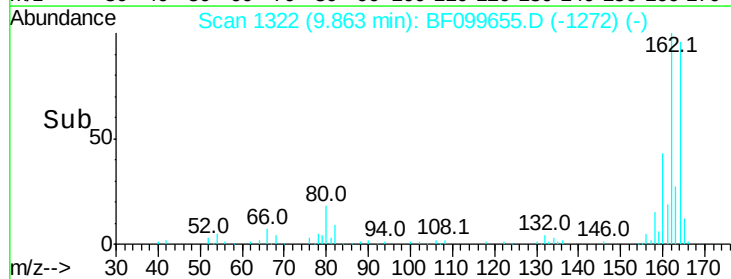
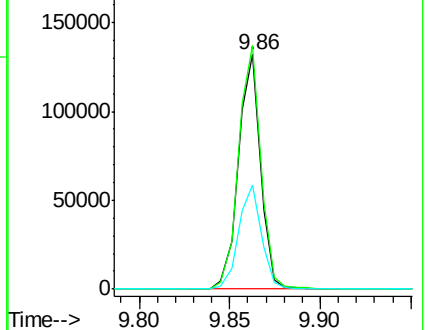
160 44.2 38.3 57.5

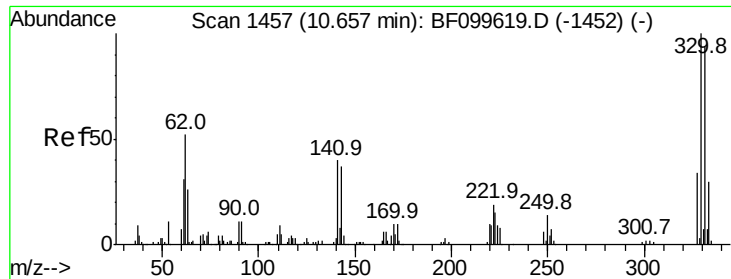


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

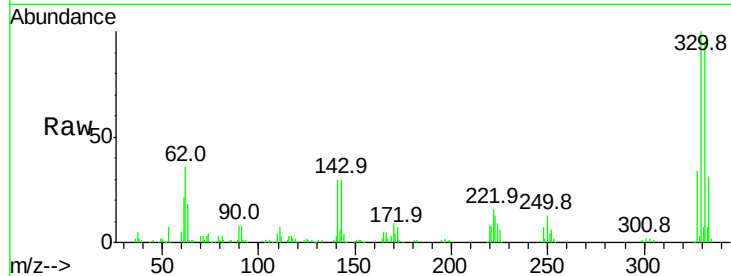




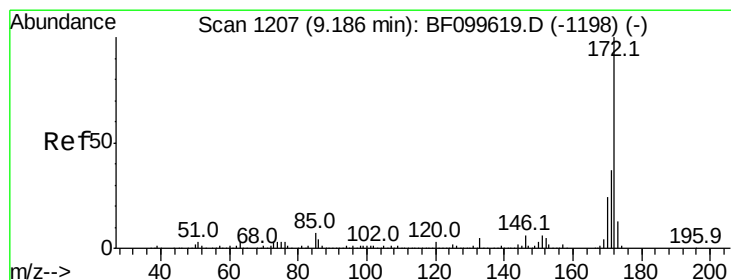
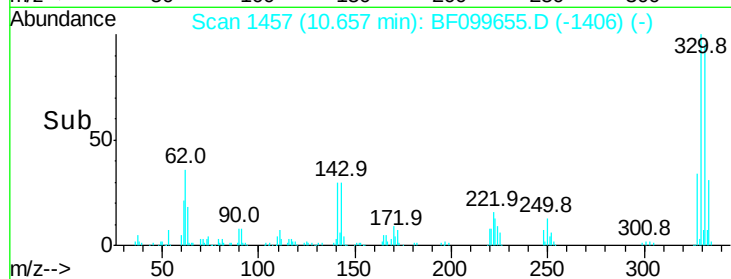
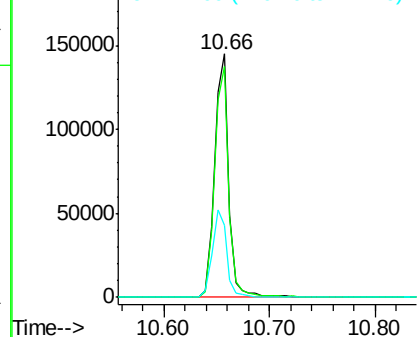
#41
 2,4,6-Tribromophenol
 Concen: 150.153 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099655.D
 Acq: 19 Oct 2017 9:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	36.2	29.9	44.9

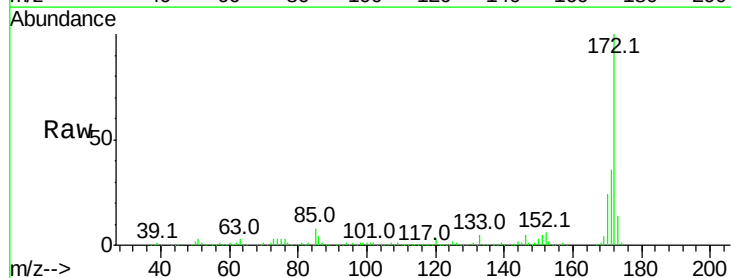


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

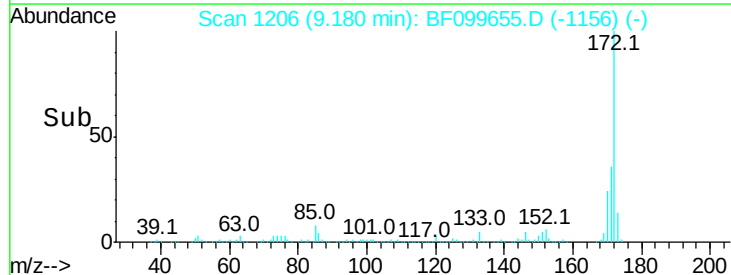
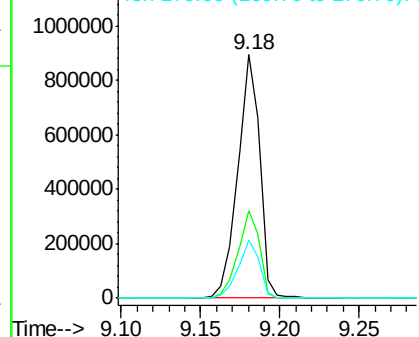


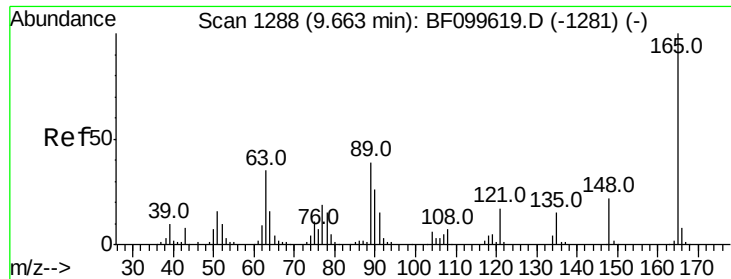
#44
 2-Fluorobiphenyl
 Concen: 128.414 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099655.D
 Acq: 19 Oct 2017 9:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.7	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

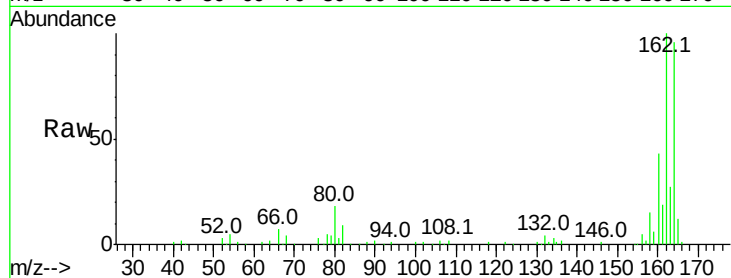




#50
 2,6-Dinitrotoluene
 Concen: 7.969 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF099655.D
 Acq: 19 Oct 2017 9:39

Instrument :
 BNA_F
 ClientSampleId :

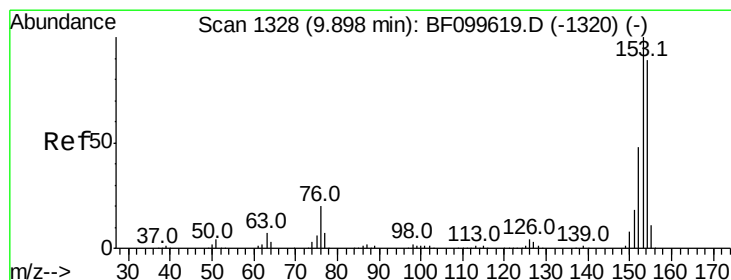
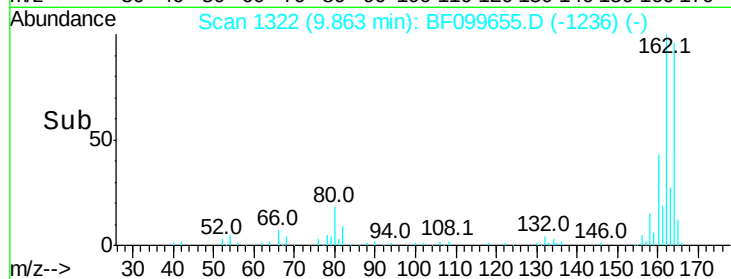
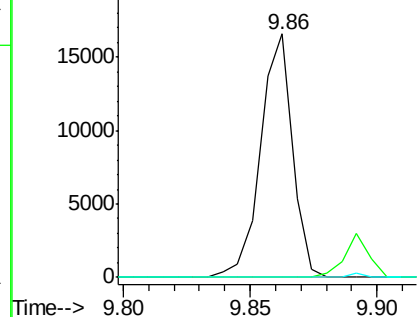
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

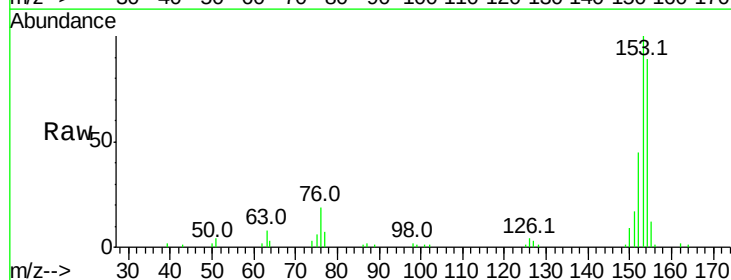
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
 Acenaphthene
 Concen: 4.112 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF099655.D
 Acq: 19 Oct 2017 9:39

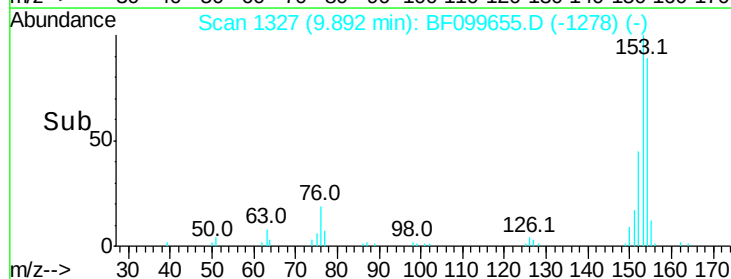
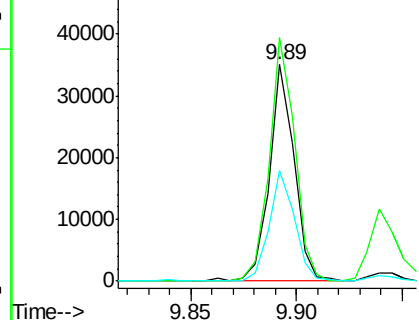
Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	91.2	136.8
152	50.9	43.8	65.8

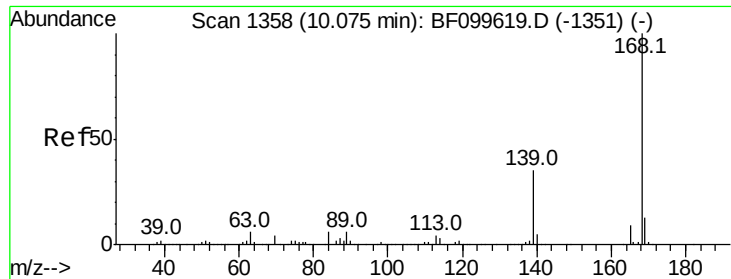


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 4.755 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

Instrument :

BNA_F

ClientSampleId :

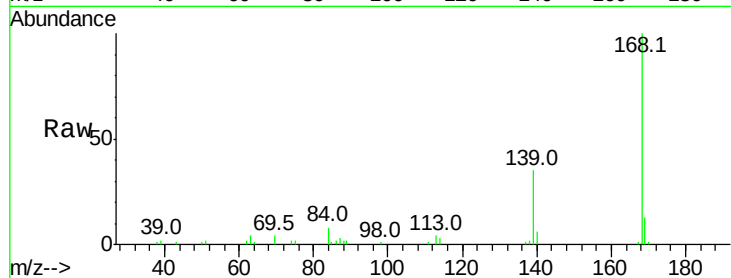
Tot Ion:168 Resp: 44133

Ion Ratio Lower Upper

168 100

139 34.9 30.1 45.1

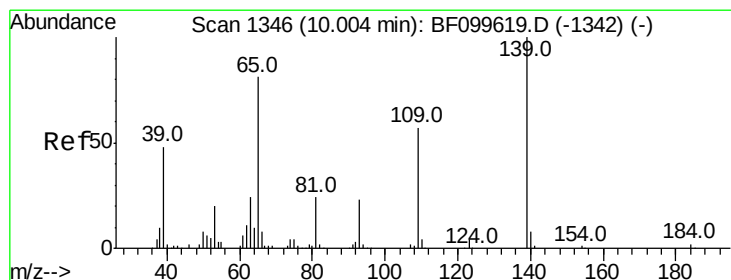
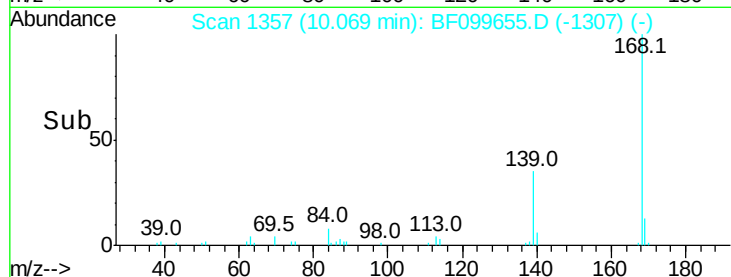
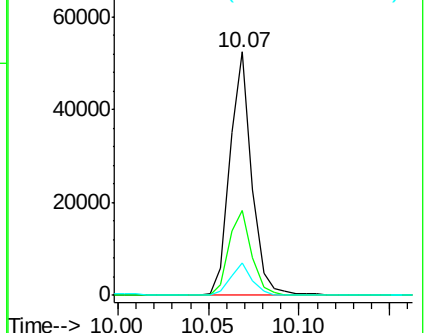
169 13.4 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 8.820 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.06 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

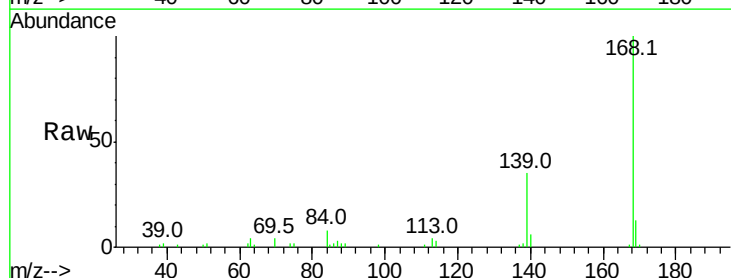
Tgt Ion:139 Resp: 15918

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

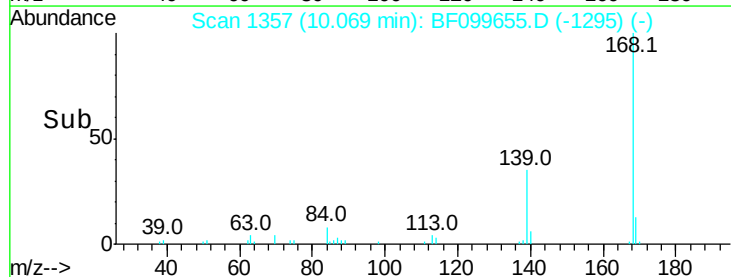
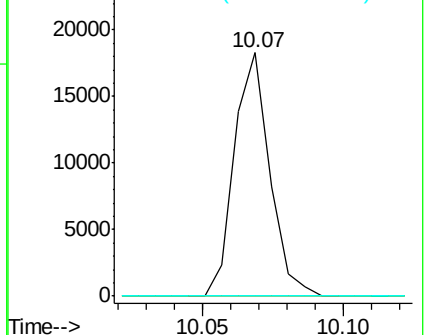
65 0.0 72.6 112.6#

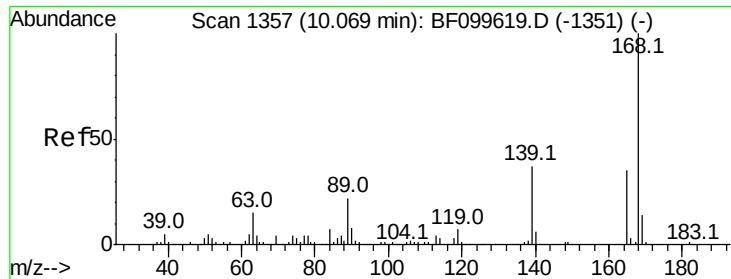


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

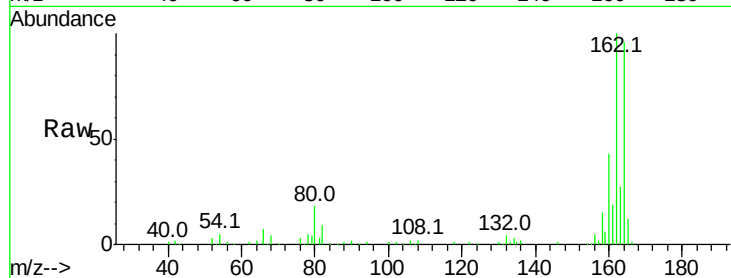




#56
2,4-Dinitrotoluene
Concen: 6.140 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.21 min
Lab File: BF099655.D
Acq: 19 Oct 2017 9:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	14587
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

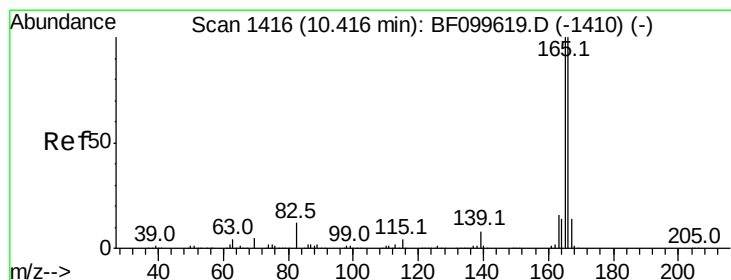
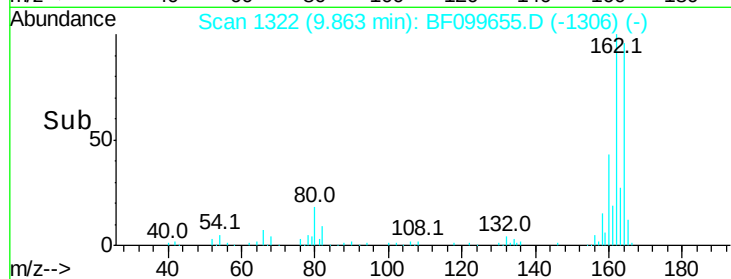
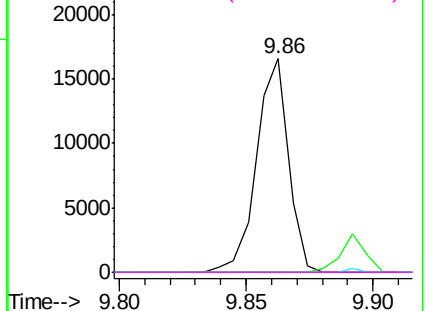


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

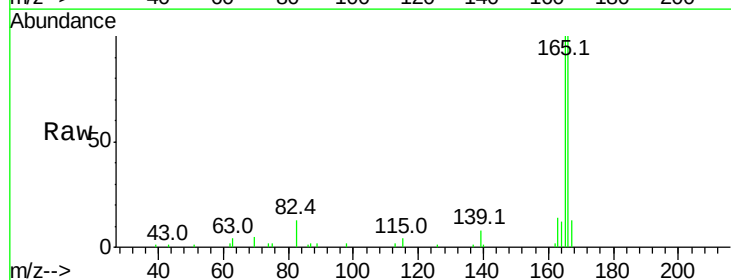
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 3.092 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF099655.D
Acq: 19 Oct 2017 9:39

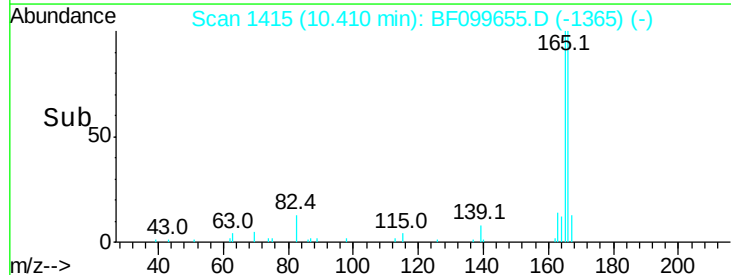
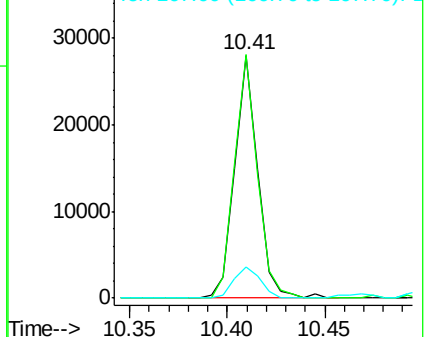
Tgt Ion:	166	Resp:	23066
Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.8	119.8
167	12.9	10.6	16.0

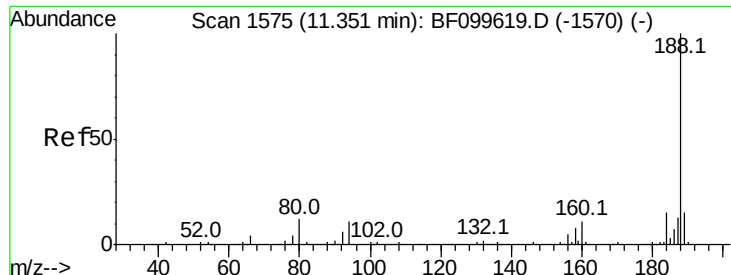


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

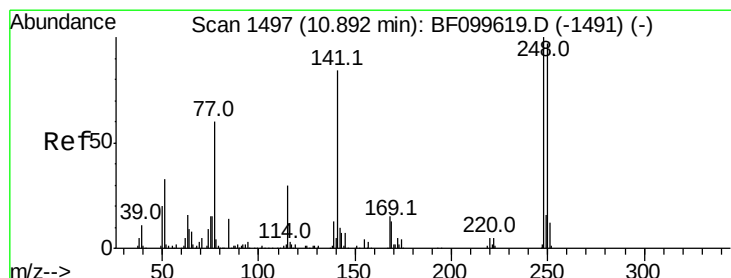
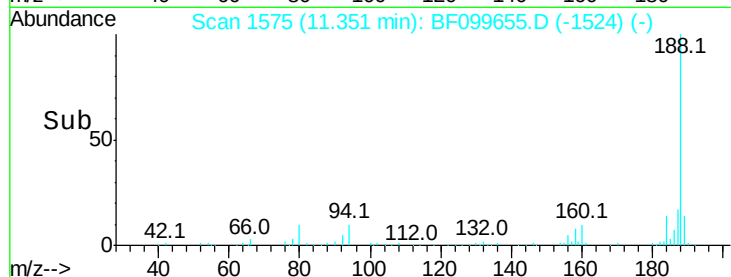
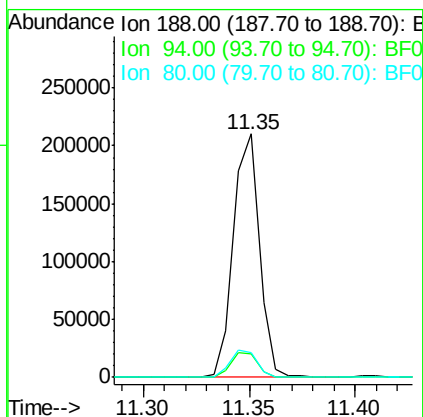
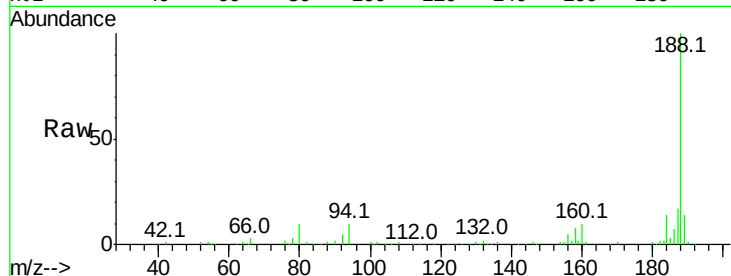




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099655.D
 Acq: 19 Oct 2017 9:39

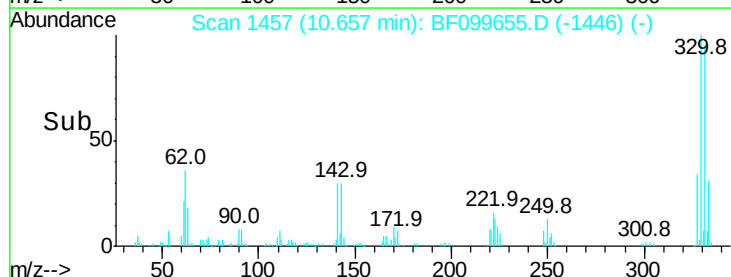
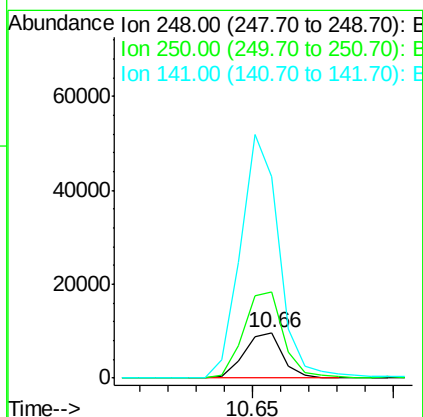
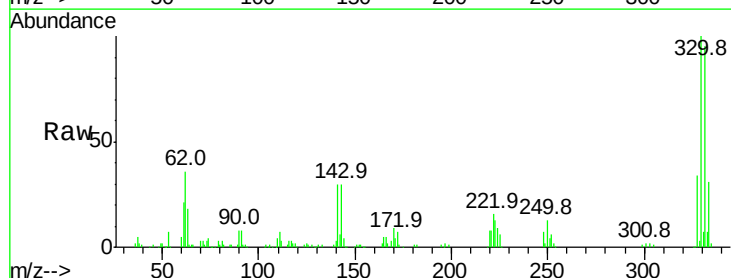
Instrument :
 BNA_F
 ClientSampled :

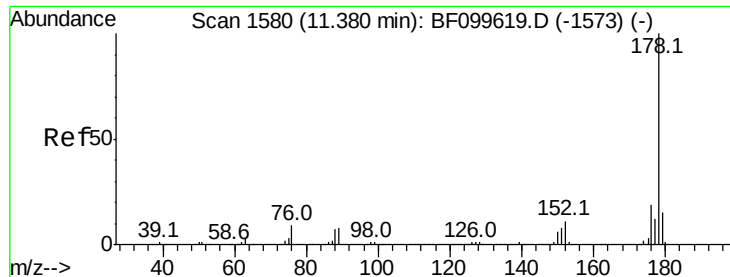
Tot Ion	Ratio	Resp	Lower	Upper
188	100	179087		
94	9.6		8.5	12.7
80	10.0		9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 5.168 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF099655.D
 Acq: 19 Oct 2017 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	9059		
250	190.5		76.9	115.3#
141	445.3		74.4	111.6#

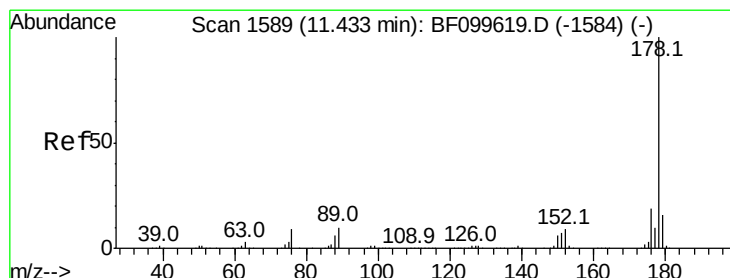
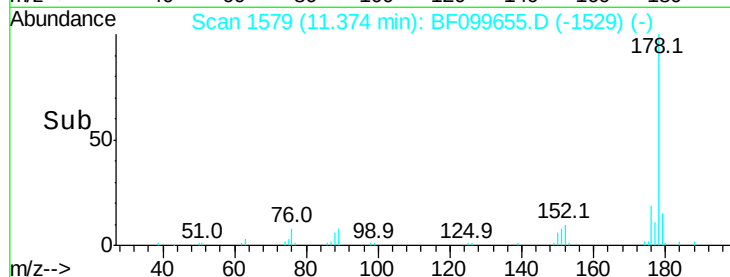
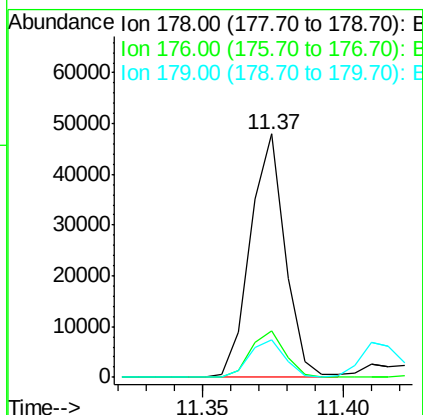
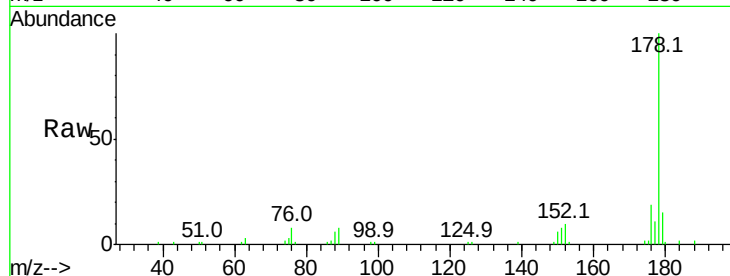




#70
 Phenanthrene
 Concen: 4.292 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF099655.D
 Acq: 19 Oct 2017 9:39

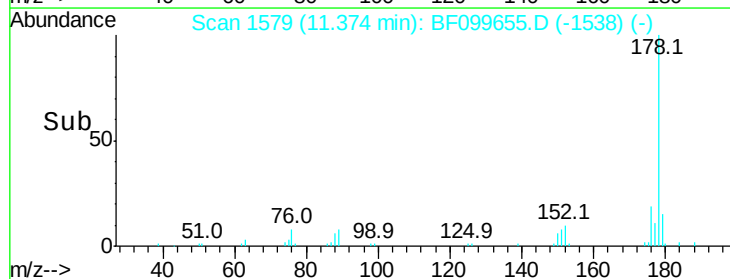
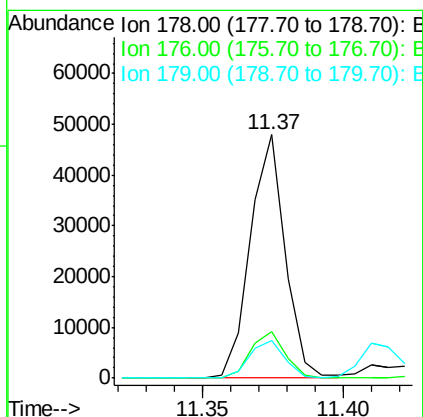
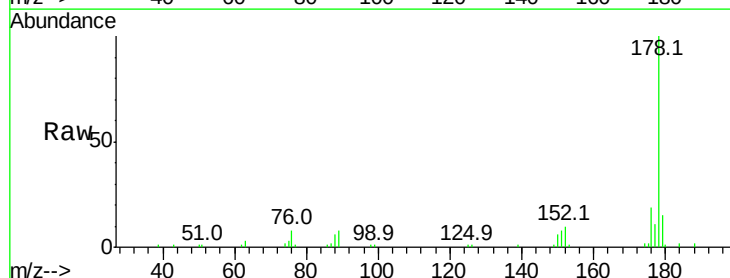
Instrument :
 BNA_F
 ClientSampleId :

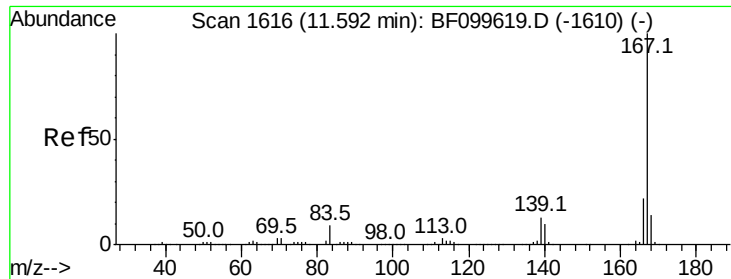
Tot Ion:178 Resp: 41145
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.4 13.0 19.6



#71
 Anthracene
 Concen: 4.195 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.06 min
 Lab File: BF099655.D
 Acq: 19 Oct 2017 9:39

Tgt Ion:178 Resp: 41145
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 15.4 12.6 19.0





#72

Carbazole

Concen: 2.707 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

Instrument :

BNA_F

ClientSampleId :

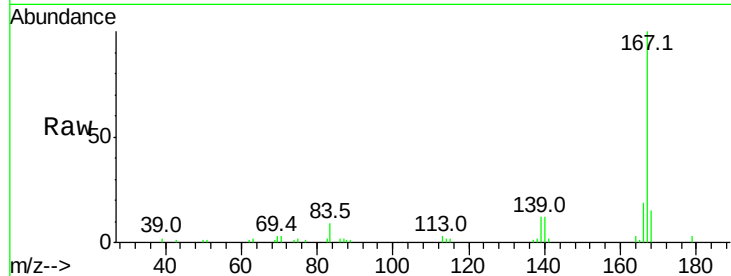
Tot Ion:167 Resp: 26004

Ion Ratio Lower Upper

167 100

166 19.3 17.6 26.4

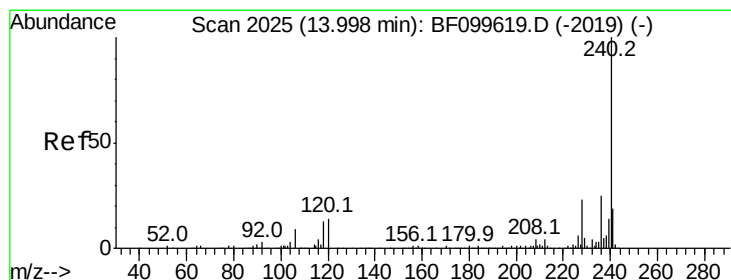
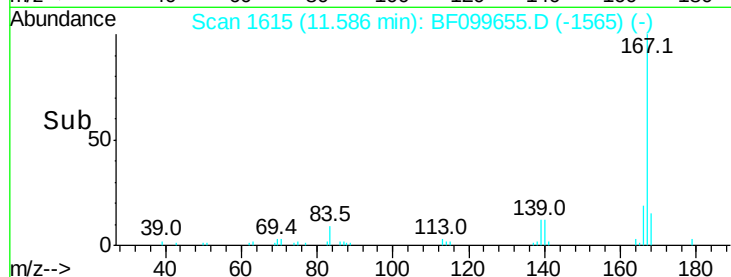
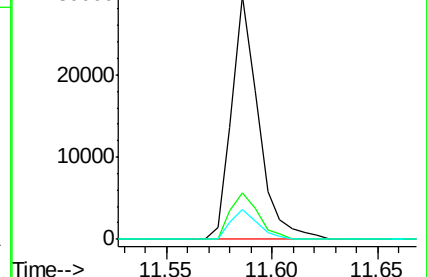
139 12.2 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

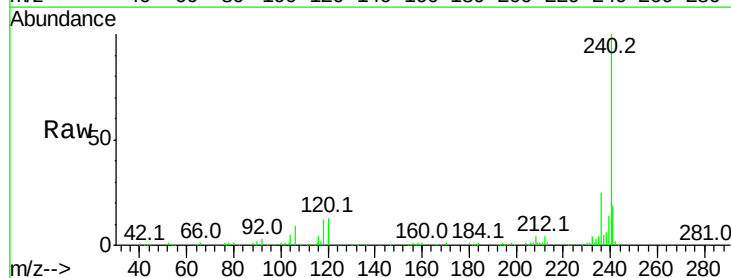
Tgt Ion:240 Resp: 187342

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

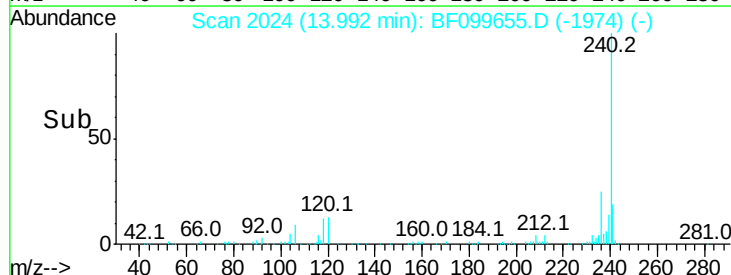
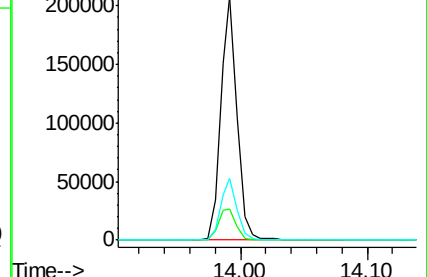
236 25.2 20.7 31.1

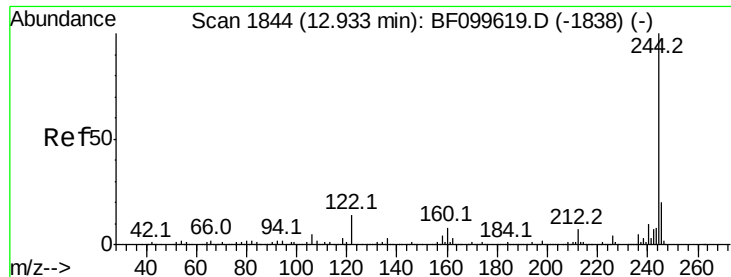


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.892 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

Instrument :

BNA_F

ClientSampled :

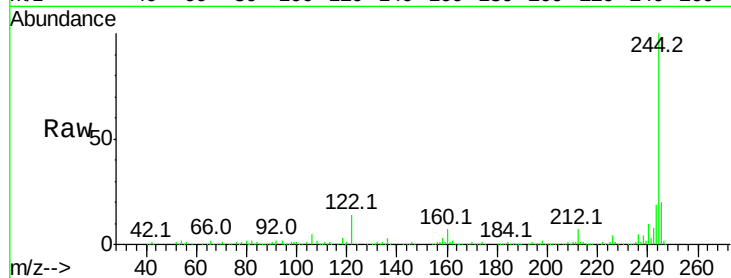
Tot Ion:244 Resp: 691080

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

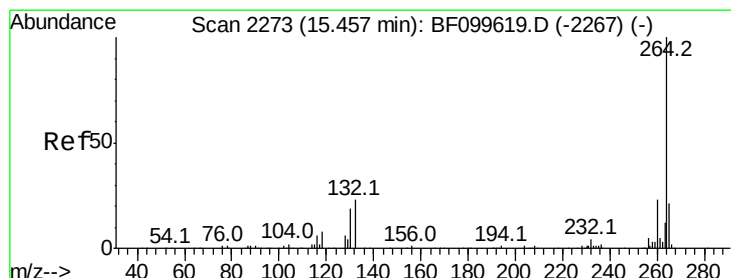
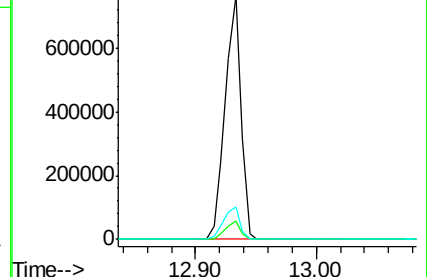
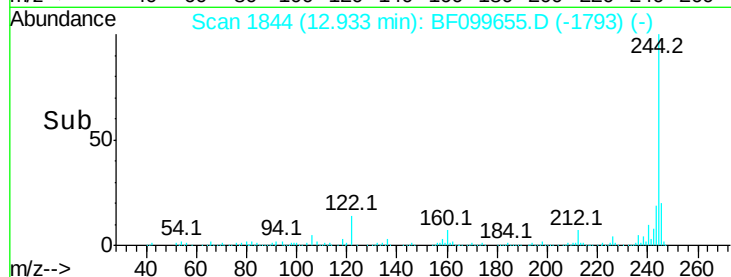
122 13.5 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF099655.D

Acq: 19 Oct 2017 9:39

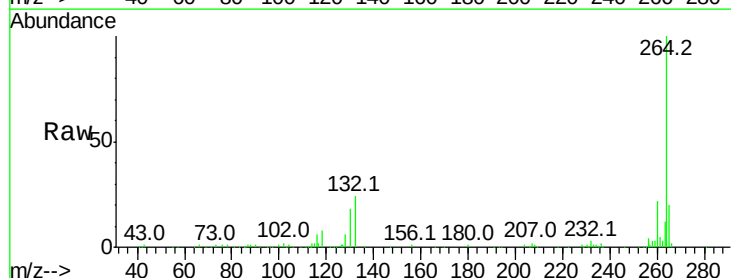
Tgt Ion:264 Resp: 147052

Ion Ratio Lower Upper

264 100

260 22.1 19.2 28.8

265 20.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

